

05/00
09/27

Page 1 of 6

#6



OIPE

ENTERED

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/076,117

DATE: 10/01/2002
TIME: 15:51:08

Input Set : A:\8002073999.txt
Output Set: N:\CRF4\10012002\J076117.raw

4 <110> APPLICANT: Bermudes, D.
5 King, I.
6 Clairmont, C.
8 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DELIVERY OF AN AGENT
9 USING ATTENUATED SALMONELLA CONTAINING PHAGE
11 <130> FILE REFERENCE: 8002-073
13 <140> CURRENT APPLICATION NUMBER: 10/076,117
14 <141> CURRENT FILING DATE: 2002-02-13
16 <150> PRIOR APPLICATION NUMBER: 09/645,418
17 <151> PRIOR FILING DATE: 2000-08-24
19 <150> PRIOR APPLICATION NUMBER: 60/150,928
20 <151> PRIOR FILING DATE: 1999-08-26
22 <160> NUMBER OF SEQ ID NOS: 14
24 <170> SOFTWARE: FastSEQ for Windows Version 3.0
26 <210> SEQ ID NO: 1
27 <211> LENGTH: 23
28 <212> TYPE: PRT
29 <213> ORGANISM: Bacteriophage
31 <400> SEQUENCE: 1
32 Gly Leu Phe Glu Ala Ile Glu Gly Phe Ile Glu Asn Gly Trp Glu Gly
33 1 5 10 15
34 Met Ile Asp Gly Gly Cys
35 20
37 <210> SEQ ID NO: 2
38 <211> LENGTH: 24
39 <212> TYPE: PRT
40 <213> ORGANISM: Bacteriophage
42 <400> SEQUENCE: 2
43 Gly Leu Phe Glu Ala Ile Glu Gly Phe Ile Glu Asn Gly Trp Glu Gly
44 1 5 10 15
45 Met Ile Asp Gly Trp Tyr Gly Cys
46 20
48 <210> SEQ ID NO: 3
49 <211> LENGTH: 63
50 <212> TYPE: DNA
51 <213> ORGANISM: Bacteriophage
53 <220> FEATURE:
54 <221> NAME/KEY: CDS
55 <222> LOCATION: (1) .. (63)
57 <400> SEQUENCE: 3
58 atg aaa aag aca gct atc gcg att gca gtg gca ctg gct ggt ttc gct 48
59 Met Lys Lys Thr Ala Ile Ala Ile Val Ala Leu Ala Gly Phe Ala
60 1 5 10 15

RAW SEQUENCE LISTING DATE: 10/01/2002
PATENT APPLICATION: US/10/076,117 TIME: 15:51:08

Input Set : A:\8002073999.txt
Output Set: N:\CRF4\10012002\J076117.raw

63 acc gta gcg cag gcc 63
64 Thr Val Ala Gln Ala
65 20
67 <210> SEQ ID NO: 4
68 <211> LENGTH: 21
69 <212> TYPE: PRT
70 <213> ORGANISM: Bacteriophage
72 <400> SEQUENCE: 4
73 Met Lys Lys Thr Ala Ile Ala Ile Ala Val Ala Leu Ala Gly Phe Ala
74 1 5 10 15
75 Thr Val Ala Gln Ala
76 20
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 63
80 <212> TYPE: DNA
81 <213> ORGANISM: Artificial Sequence
83 <220> FEATURE:
84 <223> OTHER INFORMATION: Description of Artificial Sequence: modified ompA signal
85 peptide
87 <220> FEATURE:
88 <221> NAME/KEY: CDS
89 <222> LOCATION: (1) .. (63)
91 <400> SEQUENCE: 5
92 atg aaa aag acg gct ctg gcg ctt ctg ctc ttg ctg tta gcg ctg act 48
93 Met Lys Lys Thr Ala Leu Ala Leu Leu Leu Leu Leu Ala Leu Thr
94 1 5 10 15
96 agt gta gcg cag gcc 63
97 Ser Val Ala Gln Ala
98 20
100 <210> SEQ ID NO: 6
101 <211> LENGTH: 21
102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial Sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: Description of Artificial Sequence: modified ompA signal
107 peptide
109 <400> SEQUENCE: 6
110 Met Lys Lys Thr Ala Leu Ala Leu Leu Leu Leu Leu Ala Leu Thr
111 1 5 10 15
112 Ser Val Ala Gln Ala
113 20
115 <210> SEQ ID NO: 7
116 <211> LENGTH: 64
117 <212> TYPE: DNA
118 <213> ORGANISM: Artificial Sequence
120 <220> FEATURE:
121 <223> OTHER INFORMATION: Description of Artificial Sequence: template
123 <400> SEQUENCE: 7
124 gcgtcgacca aggaggtcta gataacgagg gcaaaaaatg aaaaagacgg ctctggcgct 60

RAW SEQUENCE LISTING DATE: 10/01/2002
 PATENT APPLICATION: US/10/076,117 TIME: 15:51:08

Input Set : A:\8002073999.txt
 Output Set: N:\CRF4\10012002\J076117.raw

```

125  tctg                                64
127 <210> SEQ ID NO: 8
128 <211> LENGTH: 42
129 <212> TYPE: DNA
130 <213> ORGANISM: Artificial Sequence
132 <220> FEATURE:
133 <223> OTHER INFORMATION: Description of Artificial Sequence: template
135 <400> SEQUENCE: 8
136  gcgaattcga tatcttca gtaacgtgcta atgatcgatt gg          42
138 <210> SEQ ID NO: 9
139 <211> LENGTH: 9
140 <212> TYPE: PRT
141 <213> ORGANISM: L. monocytogenes
143 <400> SEQUENCE: 9
144  Gly Tyr Lys Asp Gly Asn Glu Tyr Ile
145      1          5
147 <210> SEQ ID NO: 10
148 <211> LENGTH: 99
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: Description of Artificial Sequence: LL0 91-99 Peptide
154  Construct
156 <400> SEQUENCE: 10
157  gccaccatga ctagtaatgt gccggccgt aaaggttaca aagatggtaa tgaatatac  60
158  gttgtggaga aaaagaata ggccggccca aaaggaaaaa                99
160 <210> SEQ ID NO: 11
161 <211> LENGTH: 98
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial Sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: Description of Artificial Sequence: LL0 91-99 Peptide
167  Construct
169 <400> SEQUENCE: 11
170  tttcccttg cggccgccta tttcttttc tccacaacga tatattcatt accatcttg  60
171  taacctttac gcgccggcac attactagtc atggtggc                98
173 <210> SEQ ID NO: 12
174 <211> LENGTH: 30
175 <212> TYPE: DNA
176 <213> ORGANISM: Artificial Sequence
178 <220> FEATURE:
179 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer
181 <400> SEQUENCE: 12
182  gatcagatct tatggccgca aaaaacgccc                         30
184 <210> SEQ ID NO: 13
185 <211> LENGTH: 43
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial Sequence
189 <220> FEATURE:

```

RAW SEQUENCE LISTING DATE: 10/01/2002
PATENT APPLICATION: US/10/076,117 TIME: 15:51:08

Input Set : A:\8002073999.txt
Output Set: N:\CRF4\10012002\J076117.raw

190 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer
192 <400> SEQUENCE: 13
193 tatggccgca aaaaacgccc tcagcgccgt cgcgagctcg atc 43
195 <210> SEQ ID NO: 14
196 <211> LENGTH: 49
197 <212> TYPE: DNA
198 <213> ORGANISM: Artificial Sequence
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Description of Artificial Sequence:Primer
203 <400> SEQUENCE: 14
204 gatcagatct catcaccatc accaccatata tggccgcaaa aaacgcccgt 49

VERIFICATION SUMMARY DATE: 10/01/2002
PATENT APPLICATION: US/10/076,117 TIME: 15:51:09

Input Set : A:\8002073999.txt
Output Set: N:\CRF4\10012002\J076117.raw